

City of Sunnyvale Water Pollution Control Plant
Environmental Outreach
Schools and Youth Program



Interested in free
**Environmental
Education**
materials and activities?
Exciting Resources Await You!

Take a look inside....

The Environmental Outreach Program

promotes and supports environmental outreach to the Sunnyvale community, business/industry, schools/youth and south bay area region.

Program staff participate in a variety of activities including National Pollution Prevention Week, company and school environmental fairs, regional annual events, theater billboards, and more.

The Speakers' Bureau provides on-site presentations to diverse organizations.

Tours of the water pollution control plant are given year-round by appointment.

The program offers a variety of resources for K-12 educators, continuing education instructors, scouting/youth group leaders, and summer camp counselors.

If you would like assistance in determining which activities would best fit your water education program, or have further inquiries, please **CONTACT** us at:

City of Sunnyvale
Water Pollution Control Plant
Environmental Outreach Program
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What can we do for you?



The Environmental Outreach program is here to help you teach today's youth about preventing pollution and conserving natural resources. As a Sunnyvale youth educator, you have access to all of our materials.

By using the information in this brochure you can create awareness of the impact human activity has on our Earth. Kids can learn ways to make a real difference in protecting the environment.

AND IT'S ALL FREE...



To any Sunnyvale youth educator.
Or day care facility. Or scout troop.
Or public/home school students.
You can pick up materials at the Water Pollution Control Plant. We're eager to participate in any environmental events conducted by your organization.

ALL YOU HAVE TO DO IS CALL!

Do you have...

- an Earth Day celebration?
- a Science Day?
- a Water Week?
- a Career Day?

...or other special events you'd like us to attend? Environmental Outreach is a regular participant in several events in Sunnyvale and we'd be happy to add yours to our list!





Videos

The following videos may be checked out for a two-week period. Please call for a complete list of video summaries.

- ◆ *3-2-1 Contact: Down the Drain* (Grades 3-6)
- ◆ *California Ground Water and the Ground Water Model* (Grades 7-12)
- ◆ *The California Water Story* (Grades 3-12)
- ◆ *Ground Water Adventure* (Grades 3-6)
- ◆ *It's Wet, It's Wild, It's Water!* (Grades 7-12)
- ◆ *Kids by the Bay* (Grades 3-9)
- ◆ *Pointless Pollution: America's Water Crisis* (Grades 6-12)
- ◆ *Saving Water: The Conservation Video* (Grades 3-9)
- ◆ *The Wastewater Treatment* (Grades 7-12)
- ◆ *Water in an Endless Loop* (Grades 9-12)
- ◆ *My First Green Video* (Grades K-3)



Books

The following books may be checked out for a two-week period. Please call for a complete list of book summaries.

- ◆ *Handle with Care: Your Guide to Preventing Water Pollution* (Grades 6-12)
- ◆ *Thematic Water Unit* (Grades 2-6)
- ◆ *Water Magic* (Grades K-3)
- ◆ *Water Can Be Fun! How to Create a Successful Science Fair* (Grades 1-6)
- ◆ *Water and the Shaping of California* (Grades 9-12)
- ◆ *Environmental Science Activities Kit* (Grades 7-12)
- ◆ *The No-Waste Anthology* (Grades K-12)
- ◆ *Conserve Water Educator's Guide* (Grades 6-12)
- ◆ *Kids and Creeks* (Grades 6-12)
- ◆ *A Drop Around the World; with teacher guide* (Grades K-6)
- ◆ *Salt Marsh Manual* (Grades K-6)
- ◆ *The Berenstain Bears Don't Pollute (Anymore)* (Grades 1-6)

Materials

The following materials are available for distribution to your students.

- ◆ Captain Sewer and Water Reuse activity books
- ◆ Environmental activity and coloring sheets
- ◆ Book covers
- ◆ Message pens and pencils
- ◆ Magnets
- ◆ Stickers
- ◆ Water drop erasers
- ◆ Water pollution prevention stickers
- ◆ Games (outdoor and indoor)
- ◆ Posters



We also have brochures to share with parents. Some of the topics include: less toxic pest control; environmentally safe cleaning alternatives, household hazardous waste disposal, and auto maintenance.

Plant Tours

See how we use nature's way to speed up the cleaning of sewage. It's a science experience you will never forget! Participants will learn about the three stages of treatment and see how the by-products of that process are used to benefit the environment.



Yes, there is a strong odor here, but ask your group if they'd rather have our creeks smell like that!



The SMaRT (Sunnyvale Materials Recovery and Transfer) Station is just down the street. Their innovative recycling methods make a great "double feature" with the Water Pollution Control Plant tour. Call (408) 752-8530 to schedule.

Presentations

Sewer Science

Trained technical staff from the Water Pollution Control Plant will explain the chemistry of "nature's way" to clean sewage. They will also demonstrate some of the processes such as filtration and flocculation.



Appropriate for grades 9-12 biology, chemistry or environmental science classes.

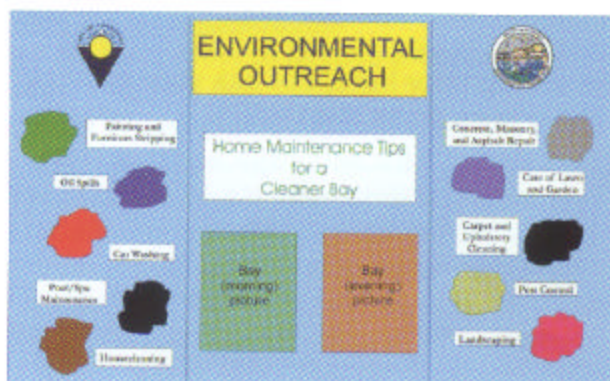
Virtual Tour

If you can't -- or don't want -- to make a trip to the Water Pollution Control Plant for a tour, we can bring the tour to you. Through a video and a narrated slide show, participants can learn about the same treatment processes and environmental benefits that a real tour would provide....minus the special smell!



Event Displays

Display boards with a variety of graphic layouts at your event teach several water education messages. Students can even take a plant tour via photos. Handouts are available to help kids remember the message and share it with others at home.

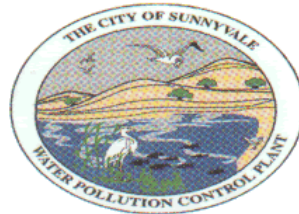


Youth Programs

Bay Care Badge

Environmental Outreach offers a "Bay Care" badge to Girl Scouts of Santa Clara County, Boy Scouts of the Bay Area, and Campfire Boys and Girls. To earn the badge, boys and girls must complete a set of activities that promote an understanding of San Francisco Bay's delicate balance of salt and fresh water habitat. Some of the subjects the activities include are listed below:

- ◆ learning how to prevent water pollution
- ◆ conserving water
- ◆ observing wildlife
- ◆ discovering how a watershed works
- ◆ exploring the properties of water and the water cycle
- ◆ understanding the difference between storm drains and sewer systems



Sunnyvale's Summer Camps

The Water Pollution Control Plant partners with the Parks and Recreation Department to offer games and activities designed to teach kids about the impact of humans on nature's "web of life" and what they can do to protect our environment. A variety of camps is conducted for all ages pre-school through high school. To learn more about these camps, call (408) 730-7350 to receive a copy of the summer Activity Guide.